

# VIRGINIA DEVELOPMENT TO CAPTURE MINE METHANE EMISSIONS

## SUMMARY

The following paper highlights the environmental, economic and investment impacts of capturing methane emissions in Virginia emitted by mines.

This analysis approximated that the current pace of mining will continue and resulting emissions will raise throughout time.

Fewer than 3% of America's producing coal mines are seeking opportunities to abate methane emissions. Incentivizing the market to capture and sell CMM furthers environmental progress, creates jobs, and enhances grid reliability, but policy solutions are needed to achieve desired outcomes.

\*Job totals include direct, indirect & induced

## REDUCING VA EMISSIONS

A CMM capture projects would reduce **10M metric tons** of CO<sub>2</sub>e annually\*

or the same amount as



**2.2M**

gas-powered passenger vehicles emit in a year



**1.1T**

gallons of gasoline consumed



**1.9M**

homes' emissions from electricity used in a year

\*Estimate based on 5-year deployment of methane capture forecast

## NEW INVESTMENT IN VA



**\$140M**

infrastructure investment

**\$250M**

investment in operating expenses

**5 YEARS**

**10 YEARS**

**15 YEARS**

## JOBS, GDP GROWTH\*



**238** jobs

**\$19M**

contributed to the state's GDP



**390** jobs

**\$93.5M**

contributed to the state's GDP



**395** jobs

**\$176.7M**

contributed to the state's GDP